BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of work: Construction of Anganavadi Building at Govt.Higher Primary School Premises Bhuvaneshwari Nagara in Ward-14,Bagalagunte

JOB NUMBER.: SI-1 Est. Amount = 30.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate In Rs.	Amount In Rs.
1	KSRB 4.2.7: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3its confirming to 1S9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for ail works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.tm No.4.13, P.No.13, SR:2016-17)								
	Anganawadi Building	Cum							
	First Floor								
	Column (Floor to roof)								
	C1		10	0.23	0.23	3.00	1.59		
	C2		24	0.23	0.45	2.80	6.96		
	Lintel Beam								
	Wall		1	82.60	0.23	0.20	3.80		
	Roof Beam								
	Beam 1		6	1.50	0.23	0.45	0.93		
	Beam 2		8	4.70	0.23	0.45	3.89		
	Beam 3		7	1.80	0.23	0.45	1.30		
	Beam 4		4	1.20	0.23	0.45	0.50		
	Beam 5		24	2.85	0.23	0.45	7.08		
	Roof Slab		1	26.50	7.30	0.15	29.02		
	Column (Above Slab)								
	C1		10	0.23	0.23	0.50	0.26		
	C2		24	0.23	0.45	0.50	1.24		
						Total Qty	56.57	6876.36	388990.18
2	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.tm No.4.19, P.No.14, SR:2016-17)								
	Anganawadi Building	Sqm							
	Chajja								
	Windows W		8	1.40	0.60		6.72		
						Total Qty	6.72	492.48	3309.47
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tm No.4.6, P.No.12, SR:2016-17)								
	Anganawadi Building	Cum							
	Cills								
	Windows W		16	1.20	0.23	0.05	0.22		
						Total Qty	0.22	5876.28	1297.48
4	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.32, P.No.16, SR:2016-17)								
	Anganawadi Building	Sqm							
	First Floor								
	C1		10	0.92		3.40	31.28		
	C2		24	1.36		3.60	117.50		
						Total Qty	148.78	395.28	58,811.34
5	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 (I.tm No.4.18, P.No.15, SR:2016-17)								
	Anganawadi Building	Sqm							
	First Floor								
	Roof Slab		4	5.90	5.20		122.72		
	Rooms		1	26.50	1.75		46.38		
	Passage		1	1.80	5.50		9.90		
	Head Room					Total Qty	179.00	338.04	60,507.47

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate In Rs.	Amount In Rs.
6	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.36, P.No.16, SR:2016-17)								
	Anganawadi Building								
	Cills								
	First Floor								
	Windows W	Sqm	32	1.20		0.15	5.76		
	Roof Slab Edges		1	68.00		0.20	13.60		
						Total Qty	19.36	732.24	14,176.17
7	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.34, P.No.16, SR:2016-17)								
	Anganawadi Building								
	First Floor								
	Lintel Beam								
	Wall		1	82.60		0.40	33.04		
	Roof Beam								
	Beam 1	Sqm	6	1.50		1.20	10.80		
	Beam 2		8	4.70		1.20	45.12		
	Beam 3		7	1.80		1.20	15.12		
	Beam 4		4	1.20		1.20	5.76		
	Beam 5		24	2.85		1.20	82.08		
						Total Qty	191.92	276.48	53,062.04
8	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.tm No.4.37, P.No.16, SR:2016-17)								
	Anganawadi Building								
	Chajja								
	Windows W	Sqm	8	1.40	0.60		6.72		
	Chajja Side								
	Windows W		8	2.60		0.15	3.12		
						Total Qty	9.84	291.60	2,869.34
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.tm No.4.46.2, P.No.17, SR:2016-17)								
	Anganawadi Building								
	Steel								
	For One Cum 100Kgs Item No 1	Tonne	1		5.66		5.66		
	For One Cum 60Kgs Item No 2		1		0.40		0.40		
						Total Qty	6.06	60534.00	366843.30
10	KSRB 6-5.2 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (I.tm No.6.18, P.No.28, SR:2016-17)								
	Anganawadi Building								
	First Floor								
	Wall		1	82.60	0.23	2.35	44.65		
	Parapet Wall								
	First Floor Passage		1	30.00	0.15	1.20	5.40		
	Parapet Wall		1	70.00	0.15	1.00	10.50		
		Cum				Total Qty	60.55		
	Deduction								
	Door D		4	1.00	0.23	2.10	1.93		
	Windows W		16	1.20	0.23	1.40	6.18		
	Column C1		10	0.23	0.15	1.20	0.41		
	C2		24	0.23	0.23	2.35	2.98		
						Total Qty	11.51		
						Total Qty	49.03	7328.88	359359.46
11	KSRB 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (I.tm No.9.11, P.No.51, SR:2016-17)								
	Anganawadi Building								
	Frame	Cum	4	6.60	0.15	0.10	0.40		
	Door D								
						Total Qty	0.40	111083.40	43,989.03

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Construction of Building at Govt.Higher Primary School Premises Bhuvaneshwari Nagara in Ward-14,Bagalagunte

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
12	KSRB 9-27.1 : Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. (P.No. 57, Sl.No. 9.80 of PWD SR 2016-17)								
	Anganawadi Building								
	Frame								
	Door D	No	4				4.00		
						Total Qty	4.00	1138.32	4,553.28
13	KSRB 9-13-1: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.26.4 (I.tm No.9.34, P.No.53, SR:2016-17)								
	Anganawadi Building								
	Shutter								
	Door D	Sqm	4	1.00		2.10	8.40		
						Total Qty	8.40	3889.08	32668.27
14	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raui plugs, or teak wood gatties including cutting masonry or concrete and making good the originai surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (I.tm No.7.10.2, P.No.33, SR:2016-17)								
	Anganawadi Building								
	Windows W	Sqm	16	1.20		1.40	26.88		
						Total Qty	26.88	4209.84	113160.50
15	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (I.tm No.7.9, P.No.32, SR:2016-17)								
	Anganawadi Building								
	Windows W	Kgs	16	1.20		1.40	26.88		
				Total			26.88		
	Total Qty in kgs (qty in Sqm *21 kg/sqm)						564.48		
						Total Qty	564.48	84.24	47551.80
16	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.(I.tm No.7.36, P.No.42, SR:2016-17)								
	Anganawadi Building								
	First floor								
	First Floor Passage	Sqm	1	30.00		1.00	30.00		
						Total Qty	30.00	5641.92	169257.60
17	KSRB 15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (I.tm No.15.19, P.No.114, SR:2016-17)								
	Anganawadi Building								
	Out Side								
	First floor								
	Wall		1	85.00		3.30	280.50		
	Column		10	0.92		3.00	27.60		
	First Floor Passage		2	30.00		1.30	78.00		
	Parapet Wall		2	70.00		1.10	154.00		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Chajja								
	Windows W	Sqm	32	1.40	0.60		26.88		
	Chajja Side								
	Windows W		16	2.40		0.15	5.76		
						Total Qty	**572.74**		
	Deduction								
	Door D		4	1.00		2.10	8.40		
	Windows W		16	1.20		1.40	26.88		
						Total Qty	**35.28**		
						Total Qty	**537.46**	**252.72**	**135826.89**
18	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification (I.tm No.15.16, P.No.114, SR:2016-17)								
	Anganawadi Building								
	Inside								
	First Floor								
	Rooms		4	21.90		3.00	262.80		
	Stair Case Room		1	12.80		3.00	38.40		
		Sqm				**Total Qty**	**301.20**		
	Deduction								
	Door D		4	1.00		2.10	8.40		
	Windows W		16	1.20		1.40	26.88		
						Total Qty	**35.28**		
						Total Qty	**265.92**	**238.68**	**63469.79**
19	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (I.tm No.15.21, P.No.114, SR:2016-17)								
	Anganawadi Building								
	First Floor								
	Roof Slab								
	Rooms		4	5.90	5.20		122.72		
	Passage		1	26.50	1.75		46.38		
	Head Room		1	1.80	5.50		9.90		
	Roof Beam	Sqm							
	Beam 1		6	1.50		1.10	9.90		
	Beam 2		4	4.70		1.10	20.68		
	Beam 3		5	1.80		1.10	9.90		
	Beam 4		4	1.20		1.10	5.28		
	Beam 5		8	2.85		1.10	25.08		
						Total Qty	**249.84**	**208.44**	**52075.61**
20	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.(I.tm No.15.33, P.No.115, SR:2016-17)								
	Anganawadi Building								
	Wall (As Per qty of Internal Plastering)	Sqm					265.92		
	Celling (As Per qty of Cilling Plastering)						249.84		
						Total Qty	**515.76**	**27.00**	**13925.39**
21	Providing and laying flooring using prepolished, water cut/gang saw using 10mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specificationsusing silver grey granite / Multy Red / Ruby Red I Black / Hassan SqmGreen Granite of width not less than 1200mm (I.tm No.14.47.3, P.No.107, SR:2016-17)								
	Anganawadi Building								
	First Floor								
	Rooms		4	5.85	5.20		121.68		
	Passage		1	26.50	1.70		45.05		
	Skirting	Sqm							
	First Floor								
	Rooms		4	22.10		0.15	13.26		
	Passage		1	56.40		0.15	8.46		
						Total Qty	**188.45**	**1378.08**	**259699.18**
22	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting(I.tm No.15.106, P.No.126, SR:2016-17)								
	Anganawadi Building								
	Wall (As Per qty of Internal Plastering)	Sqm					265.92		
	Celling (As Per qty of Cilling Plastering)						249.84		
						Total Qty	**515.76**	**60.48**	**31192.86**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
23	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P.No-117 ,I No-15.51.1 of KPWD S.R 2016-17)								
	Anganawadi Building								
	Inside Wall and Celling								
	Wall (As Per qty of Internal Plastering)	Sqm					265.92		
	Celling (As Per qty of Cilling Plastering)						249.84		
						Total Qty	**515.76**	**76.68**	**39548.09**
24	KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.(P.No-117 ,I No-15.51.3 of KPWD S.R 2016-17)								
	Anganawadi Building								
	Inside Wall and Celling								
	Wall (As Per qty of Internal Plastering)	Sqm					265.92		
	Celling (As Per qty of Cilling Plastering)						249.84		
						Total Qty	**515.76**	**4.32**	**2,228.06**
25	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges (Item No.15.105, Page No.125, SR: 2016-17)								
	Anganawadi Building								
	Out side Wall								
	Wall (As Per qty of Out Side Plastering)	Sqm					537.46		
						Total Qty	**537.46**	**375.84**	**201998.97**
26	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. (P.No- 119,It. No-15.95 of KPWD S.R 2016-17)								
	Anganawadi Building								
	Priming Coat For Door								
	New Shutter								
	Door D	Sqm	4	1.00		2.10	8.40		
	Frame								
	Door D		4	6.60		0.50	13.20		
						Total Qty	**21.60**	**44.28**	**956.45**
27	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials,labour, complete as per specifications.(P.No-119 ,I No-15.60.1 of KPWD S.R 2016-17)								
	Anganawadi Building								
	Painting Coat For Door								
	New Shutter								
	Door D	Sqm	4	1.00		2.10	8.40		
	Frame								
	Door D		4	6.60		0.50	13.20		
						Total Qty	**21.60**	**90.72**	**1,959.55**
28	KSRB 15-17.8 : Extra over Item No. 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering includingcost of materials, labour, complete as per specifications. (Item No.15.60.2, Page No.119, SR: 2016-17)								
	Anganawadi Building								
	Painting Coat For Door								
	As Per Qty of Item Wood Painting	Sqm					21.60		
						Total Qty	**21.60**	**51.84**	**1,119.74**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
29	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.(P.No- 121,It. No-15.73 of KPWD S.R 2016-17)								
	Anganawadi Building								
	Grils								
	Windows W	Sqm	32	1.20		1.40	53.76		
	First Floor Passage		2	30.00		1.35	81.00		
						Total Qty	134.76	31.32	4,220.68
30	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.(P.No- 121,It. No-15.74 of KPWD S.R 2016-17)								
	Anganawadi Building								
	Grils								
	Windows W	Sqm	32	1.20		1.40	53.76		
	First Floor Passage		2	30.00		1.35	81.00		
						Total Qty	134.76	88.56	11,934.35
31	KSRB 15.8.1 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment) (I.tm No.15.35, P.No.115, SR:2016-17)								
	Anganawadi Building								
	Column	M	48	2.55			122.40		
	Beam		10	3.00			30.00		
						Total Qty	152.40	38.88	5,925.31
32	FIXTURS								
	Anganawadi Building								
	0179 Handles to full width 2m long	Each	6				6.00	1090.80	6,544.80
	0188 Hinges 5" heavy duty		9				9.00	39.96	359.64
	Providing Screws		60				60.00	3.24	194.40
	0220 Locking arrangements		4				4.00	702.00	2,808.00
33	KSRB 8.6-8 : Providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipes 110 mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.(P.No-47,Sl. No-8.19)								
	Anganawadi Building								
		M	4	6.00			24.00		
						Total Qty	24.00	613.44	14,722.56
	Electrification Work								
34	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick(P.No-2 ,I No-1.2.1 of PWD S.R 2014-15)								
	PVC conduit pipe 9/20mm	Rmt	1	50.0			50.00	43.0	2,150.00
35	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick(P.No-2 ,I No-1.2.2 of PWD S.R 2014-15)								
	PVC conduit pipe 25mm	Rmt	1	50.0			50.00	57.0	2,850.00

No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
36	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick (P.No-2 ,I No-1.3.1 of PWD S.R 2014-15)								
	PVC conduit pipe 9/20mm	Rmt	1	50.0			50.00	56.0	2,800.00
37	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick (P.No-2 ,I No-1.3.2 of PWD S.R 2014-15)								
	PVC conduit pipe 25mm	Rmt	1	50.0			50.00	58.0	2,900.00
38	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick(P.No-2 ,I No-1.3.3 of PWD S.R 2014-15)								
	PVC conduit pipe 32mm	Rmt	1	30.0			30.00	88.0	2,640.00
39	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)								
	Group-A.	Rmt							
	1.0 Sqm		1	150.0			150.00	13.0	1,950.00
	1.5Sqm		1	150.0			150.00	18.6	2,790.00
	2.5Sqm		1	100.0			100.00	29.2	2,920.00
	4.0Sqm		1	100.0			100.00	42.1	4,210.00
	10.0Sqm		1	20.0			20.00	108.0	2,160.00
40	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3)(,I No-2.3 Pg No. 5of PWD S.R 2014-15)								
	Using class A materials	Each Point							
	Short point up to 3mtrs from tapping point to out let via switch		1	10.00			10.00	144.00	1,440.00
	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch		1	10.00			10.00	215.00	2,150.00
	Long point a above 6mtr up to 10mtr from tapping point to out let via switch		1	8.00			8.00	334.00	2,672.00
41	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP								
	5-32Amps DP MCB (,I No-6.15.5 of PWD S.R 2014-15)	Nos	2				2.00	849.0	1,698.00
	5-32Amps SP MCB (,I No-6.15.1 of PWD S.R 2014-15)		2				2.00	418.0	836.00
42	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N (,I No-6.16.13 of PWD S.R 2014-15)								
	MCB distribution boards	Nos	1				1.00	1047.0	1,047.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
43	Supply and fixing of bakelite D.P/Socket/ switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Group-A.32Amps Flush/projected types DP switch								
	Group-A								
	Electronic stepped regulator (,I No-3.7.11 of PWD S.R 2014-15)	Nos	8				8.00	211.0	1,688.00
44	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plateas per IS 3854 and IS 1293 Group "A" materials k) TV/Telephone socket (8/18)(,I No-9.1 of PWD S.R 2014-15)								
	modular switch	Nos	20				20.00	82.0	1,640.00
45	Supply patti type fluorescent tube light fitting of 4'- 28 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with HF Electronic Ballast,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including T5 lamp Group - A(Page No - 21,I No-4.11.1 of PWD S.R 2014-15)								
	fluorescent tube light	Nos	20				20.00	669.0	13,380.00
46	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. 48" Sweep (1400mm) a.Regular model (23/23)(Page No - 11, I No-32 of PWD S.R 2014-15)								
	ceiling fan	Nos	8				8.00	2500.0	20,000.00
47	Supply and fixinjg metal fan box with round hook(Page No - 115, I No-17.9 of PWD S.R 2014-15)								
	metal fan box	Nos	8				8.00	72.0	576.00
48	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) (Page No - 16, I No-3.7of PWD S.R 2014-15)								
	6Amps SP Switch (I No-3.7.1 of PWD S.R 2014-15)	Nos	5				5.00	63.0	315.00
	6Amps 3way 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)		2				2.00	95.0	190.00
	32Amps Flush/projected types DP switch (I No-3.7.9 of PWD S.R 2014-15)		1				1.00	164.0	164.00
49	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15)								
	4-5Way (I No-3.5.2of PWD S.R 2014-15)	Each	1	4			4.00	98.00	392.00
	6Way (I No-3.5.3of PWD S.R 2014-15)		1	2			2.00	121.00	242.00
	8Way (I No-3.5.4of PWD S.R 2014-15)		1	2			2.00	140.00	280.00
	10-12Way (I No-3.5.5of PWD S.R 2014-15)		1	1			1.00	159.00	159.00
50	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15)								
	4Moudule (I No-3.6.2 of PWD S.R 2014-15)	Each	1	4			4.00	100.00	400.00
	6Moudule (I No-3.6.3 of PWD S.R 2014-15)		1	2			2.00	125.00	250.00
	8Moudule (I No-3.6.4 of PWD S.R 2014-15)		1	2			2.00	175.00	350.00
	12Moudule (I No-3.6.6 of PWD S.R 2014-15)		1	1			1.00	230.00	230.00

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
51	Supplying and fixing PVC/metal conduit accessories.(2/1.5)(I No-1.5of PWD S.R 2014-15)								
	deep junction box								
	19/20mm junction box(I No-1.5.1of PWD S.R 2014-15)	Each	1	50			50.00	47.00	2,350.00
52	KSRB 4-1.3 : Providing and laying in position plain cement concrete cum of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	All round Building flagging Course	Cum	2	52	1.5	0.15	23.40	5256.36	122998.82
52	KSRB 4-1.6 ; Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	All round Building flagging Course	Cum	2	52	1.5	0.15	23.40	5876.28	137504.95
								Total Constrution cost	2,911,439.83
								Design Report,Proof Checking & PMC Amount	58,228.80
								Q.C.Charges	30,000.00
								Sub Total	2,999,668.62
								Miscellaneous & Rounding Off	331.38
								Grand Total	3,000,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No: 14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ.EE/DD/AS/627/17-18 ದಿನಾಂಕ : 19/12/17
ರೂ. Rs. 30.00 Lakhs ಮಾತ್ರ/-
.....ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂ...

ನಂ.CE/TS/374/17-18 ದಿನಾಂಕ : 20/12/2017
ರೂ. Rs. 30.00 Lakhs ಮಾತ್ರ/-
.....
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿ...
ಬಿ.ಬಿ
ದಾಸರಹಳ್ಳಿ ವಲ...

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